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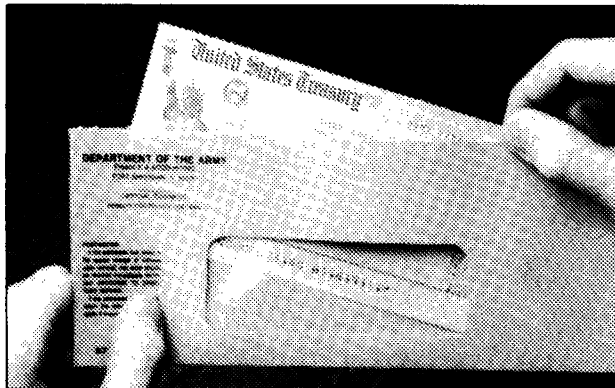
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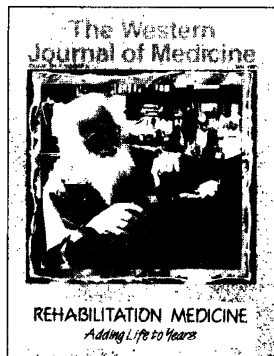
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References: 1. Newton RE, et al: A review of the side effect profile of buspirone. *Am J Med* 1986;80(3B):17-21. 2. Lucki I, et al: Differential effects of the anxiolytic drugs, diazepam and buspirone, on memory function. *Br J Clin Pharmacol* 1987;23:207-211. 3. Lader M: Assessing the potential for buspirone dependence or abuse and effects of its withdrawal. *Am J Med* 1987;82(5A):20-26.

Contraindications: Hypersensitivity to buspirone hydrochloride.

Warnings: The administration of BuSpar to a patient taking a monoamine oxidase inhibitor (MAOI) may pose a hazard. Since blood pressure has become elevated when BuSpar was administered concomitantly with an MAOI, such concomitant use is not recommended. BuSpar should not be employed in lieu of appropriate antipsychotic treatment.

Precautions: General—Interference with cognitive and motor performance: Although buspirone is less sedating than other anxiolytics and does not produce significant functional impairment, its CNS effects in a given patient may not be predictable; therefore, patients should be cautioned about operating an automobile or using complex machinery until they are reasonably certain that buspirone does not affect them adversely. Although buspirone has not been shown to increase alcohol-induced impairment in motor and mental performance, it is prudent to avoid concomitant use with alcohol.

Potential for withdrawal reactions in sedative/hypnotic/anxiolytic drug dependent patients: Because buspirone will not block the withdrawal syndrome often seen with cessation of therapy with benzodiazepines and other common sedative/hypnotic drugs, before starting buspirone withdraw patients gradually from their prior treatment, especially those who used a CNS depressant chronically. Rebound or withdrawal symptoms may occur over varying time periods, depending in part on the type of drug and its elimination half-life. The withdrawal syndrome can appear as any combination of irritability, anxiety, agitation, insomnia, tremor, abdominal cramps, muscle cramps, vomiting, sweating, flu-like symptoms without fever, and occasionally, even as seizures.

Possible concerns related to buspirone's binding to dopamine receptors: Because buspirone can bind to central dopamine receptors, a question has been raised about its potential to cause acute and chronic changes in dopamine mediated neurological function (eg, dystonia, pseudoparkinsonism, akathisia, and tardive dyskinesia). Clinical experience in controlled trials has failed to identify any significant neuroleptic-like activity; however, a syndrome of restlessness, appearing shortly after initiation of treatment, has been reported; the syndrome may be due to increased central noradrenergic activity or may be attributable to dopaminergic effects (ie, represent akathisia).

Information for Patients—Patients should be instructed to inform their physician about any medications, prescription or nonprescription, alcohol or drugs they are now taking or plan to take during treatment with buspirone; to inform their physician if they are pregnant, are planning to become pregnant, or become pregnant while taking buspirone; to inform their physician if they are breast feeding; and not to drive a car or operate potentially dangerous machinery until they experience how this medication affects them.

Drug Interactions—Concomitant use with other CNS active drugs should be approached with caution (see **Warnings**). Concomitant use with trazodone may have caused 3- to 6-fold elevations on SGPT (ALT) in a few patients. Concomitant administration of BuSpar and haloperidol resulted in increased serum haloperidol concentrations in normal volunteers. The clinical significance is not clear. Buspirone does not displace tightly bound drugs like phenytoin, propranolol, and warfarin from serum proteins, but may displace less firmly bound drugs like digoxin. However, there was one report of prolonged prothrombin time when buspirone was given to a patient also treated with warfarin, phenytoin, phenobarbital, digoxin, and Synthroid.

Carcinogenesis, Mutagenesis, Impairment of Fertility—No evidence of carcinogenic potential was observed in rats or mice; buspirone did not induce point mutations, nor was DNA damage observed; chromosomal aberrations or abnormalities did not occur.

Pregnancy: Teratogenic Effects—Pregnancy Category B: Should be used during pregnancy only if clearly needed.

Nursing Mothers—Administration to nursing women should be avoided if clinically possible.

Pediatric Use—The safety and effectiveness have not been determined in individuals below 18 years of age.

Use in the Elderly—No unusual, adverse, age-related phenomena have been identified in elderly patients receiving a total, modal daily dose of 15 mg.

Use in Patients with Impaired Hepatic or Renal Function—Since buspirone is metabolized by the liver and excreted by the kidneys, it is not recommended in severe hepatic or renal impairment.

Adverse Reactions (See also Precautions): Commonly Observed—The more commonly observed untoward events, not seen at an equivalent incidence in placebo-treated patients, include dizziness, nausea, headache, nervousness, lightheadedness, and excitement.

Associated with Discontinuation of Treatment—The more common events causing discontinuation included: central nervous system disturbances (3.4%), primarily dizziness, insomnia, nervousness, drowsiness, lightheaded feeling, gastrointestinal disturbances (1.2%), primarily nausea; miscellaneous disturbances (1.1%), primarily headache and fatigue. In addition, 3.4% of patients had multiple complaints, none of which could be characterized as primary.

Incidence in Controlled Clinical Trials—Adverse events reported by 1% or more of 477 patients who received buspirone in four-week, controlled trials: *Cardiovascular:* tachycardia/palpitations 1%, CNS: Dizziness 12%, drowsiness 10%, nervousness 5%, insomnia 3%, lightheadedness 3%, decreased concentration 2%, excitement 2%, anger/hostility 2%, confusion 2%, depression 2%, EENT: Blurred vision 2%, *Gastrointestinal:* Nausea 8%, dry mouth 3%, abdominal/gastric distress 2%, diarrhea 2%, constipation 1%, vomiting 1%, *Musculoskeletal:* Musculoskeletal aches/pains 1%, *Neurological:* Numbness 2%, paresthesia 1%, incoordination 1%, tremor 1%, *Skin:* Skin rash 1%, *Miscellaneous:* Headache 6%, fatigue 4%, weakness 2%, sweating/clamminess 1%.

Other Events Observed During the Entire Premarketing Evaluation—The relative frequency of all other undesirable events reasonably associated with the use of buspirone in approximately 3000 subjects who took multiple doses of the drug under well-controlled, open, and uncontrolled conditions is defined as follows: Frequent are those occurring in at least 1/100 patients; infrequent are those occurring in 1/100 to 1/1000 patients; and rare are those occurring in less than 1/1000 patients. *Cardiovascular—*frequent: non-specific chest pain; infrequent: syncope, hypotension, hypertension; rare: cerebrovascular accident, congestive heart failure, myocardial infarction, cardiomyopathy, bradycardia. *Central Nervous System—*frequent: dream disturbances; infrequent: depersonalization, dysphoria, noise intolerance, euphoria, akathisia, fearfulness, loss of interest, dissociative reaction, hallucinations, suicidal ideation, seizures; rare: feelings of claustrophobia, cold intolerance, stupor, slurred speech, psychosis. *EENT—*frequent: tinnitus, sore throat, nasal congestion; infrequent: redness and itching of the eyes, altered taste, altered smell, conjunctivitis; rare: inner ear abnormality, eye pain, photophobia, pressure on eyes. *Endocrine—*rare: galactorrhea, thyroid abnormality. *Gastrointestinal—*infrequent: flatulence, anorexia, increased appetite, salivation, irritable colon, rectal bleeding; rare: burning of the tongue. *Genitourinary—*infrequent: urinary frequency, urinary hesitancy, menstrual irregularity and spotting, dysuria; rare: amenorrhea, pelvic inflammatory disease, enuresis, nocturia. *Musculoskeletal—*infrequent: muscle cramps, muscle spasms, rigid/stiff muscles, arthralgias. *Neurological—*infrequent: involuntary movements, slowed reaction time; rare: muscle weakness. *Respiratory—*infrequent: hyperventilation, shortness of breath, chest congestion; rare: epistaxis. *Sexual Function—*infrequent: decreased or increased libido; rare: delayed ejaculation, impotence. *Skin—*infrequent: edema, pruritus, flushing, easy bruising, hair loss, dry skin, facial edema, blisters; rare: acne, thinning of nails. *Clinical Laboratory—*infrequent: increases in hepatic aminotransferases (SGOT, SGPT); rare: eosinophilia, leukopenia, thrombocytopenia. *Miscellaneous—*infrequent: weight gain, fever, roaring sensation in the head, weight loss, malaise; rare: alcohol abuse, bleeding disturbance, loss of voice, hiccoughs.

Postintroduction Clinical Experience—Rare occurrences of allergic reactions, cogwheel rigidity, dystonic reactions, echymosis, emotional lability, tunnel vision, and urinary retention have been reported. Because of the uncontrolled nature of these spontaneous reports, a causal relationship to BuSpar has not been determined.

Drug Abuse and Dependence: Controlled Substance Class—Not a controlled substance.

Physical and Psychological Dependence—Buspirone has shown no potential for abuse or diversion and there is no evidence that it causes tolerance, or either physical or psychological dependence. However, since it is difficult to predict from experiments the extent to which a CNS-active drug will be misused, diverted, and/or abused once marketed, physicians should carefully evaluate patients for a history of drug abuse and follow such patients closely, observing them for signs of buspirone misuse or abuse (eg, development of tolerance, incrementation of dose, drug-seeking behavior).

Overdosage: Signs and Symptoms—At doses approaching 375 mg/day the following symptoms were observed: nausea, vomiting, dizziness, drowsiness, miosis, and gastric distress. No deaths have been reported in humans either with deliberate or accidental overdosage.

Recommended Overdose Treatment—General symptomatic and supportive measures should be used along with immediate gastric lavage. No specific antidote is known and dialyzability of buspirone has not been determined.

For complete details, see Prescribing Information or consult your Mead Johnson Pharmaceuticals Representative.

U.S. Patent Nos. 3,717,634 and 4,182,763

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Brief Summary of Prescribing Information

AUGMENTIN amoxicillin/clavulanate potassium

Indications and Usage: *Augmentin* is indicated in the treatment of infections caused by susceptible strains of the designated organisms in the conditions listed below.

Lower Respiratory Infections caused by β -lactamase-producing strains of *Haemophilus influenzae* and *Branhamella catarrhalis*.

Otitis Media caused by β -lactamase-producing strains of *Haemophilus influenzae* and *Branhamella catarrhalis*.

Sinusitis caused by β -lactamase-producing strains of *Haemophilus influenzae* and *Branhamella catarrhalis*.

Skin and Skin Structure Infections caused by β -lactamase-producing strains of *Staphylococcus aureus*, *E. coli*, and *Klebsiella* spp.

Urinary Tract Infections caused by β -lactamase-producing strains of *E. coli*, *Klebsiella* spp. and *Enterobacter* spp.

While *Augmentin* is indicated only for the conditions listed above, infections caused by ampicillin-susceptible organisms are also amenable to *Augmentin* treatment due to its amoxicillin content. Therefore, mixed infections caused by ampicillin-susceptible organisms and β -lactamase-producing organisms susceptible to *Augmentin* should not require the addition of another antibiotic.

Bacteriological studies, to determine the causative organisms and their susceptibility to *Augmentin*, should be performed together with any indicated surgical procedures.

Therapy may be instituted prior to obtaining the results from bacteriological and susceptibility studies to determine the causative organisms and their susceptibility to *Augmentin* when there is reason to believe the infection may involve any of the β -lactamase-producing organisms listed above. Once the results are known, therapy should be adjusted, if appropriate.

Contraindications: A history of allergic reactions to any penicillin is a contraindication.

WARNINGS: SERIOUS AND OCCASIONALLY FATAL HYPERSENSITIVITY (ANAPHYLACTOID) REACTIONS HAVE BEEN REPORTED IN PATIENTS ON PENICILLIN THERAPY. ALTHOUGH ANAPHYLAXIS IS MORE FREQUENT FOLLOWING PARENTERAL THERAPY, IT HAS OCCURRED IN PATIENTS ON ORAL PENICILLINS. THESE REACTIONS ARE MORE LIKELY TO OCCUR IN INDIVIDUALS WITH A HISTORY OF PENICILLIN HYPERSENSITIVITY AND/OR A HISTORY OF SENSITIVITY TO MULTIPLE ALLERGENS. THERE HAVE BEEN REPORTS OF INDIVIDUALS WITH A HISTORY OF PENICILLIN HYPERSENSITIVITY WHO HAVE EXPERIENCED SEVERE REACTIONS WHEN TREATED WITH CEPHALOSPORINS. BEFORE INITIATING THERAPY WITH ANY PENICILLIN, CAREFUL INQUIRY SHOULD BE MADE CONCERNING PREVIOUS HYPERSENSITIVITY REACTIONS TO PENICILLINS, CEPHALOSPORINS, OR OTHER ALLERGENS. IF AN ALLERGIC REACTION OCCURS, *AUGMENTIN* SHOULD BE DISCONTINUED AND THE APPROPRIATE THERAPY INSTITUTED. SERIOUS ANAPHYLACTOID REACTIONS REQUIRE IMMEDIATE EMERGENCY TREATMENT WITH EPINEPHRINE, OXYGEN, INTRAVENOUS STEROIDS, AND AIRWAY MANAGEMENT, INCLUDING INTUBATION, SHOULD ALSO BE ADMINISTERED AS INDICATED.

Precautions: General: While *Augmentin* possesses the characteristic low toxicity of the penicillin group of antibiotics, periodic assessment of organ system functions, including renal, hepatic and hematopoietic function, is advisable during prolonged therapy.

A high percentage of patients with mononucleosis who receive ampicillin develop a skin rash. Thus, ampicillin class antibiotics should not be administered to patients with mononucleosis.

The possibility of superinfections with mycotic or bacterial pathogens should be kept in mind during therapy. If superinfections occur (usually involving *Pseudomonas* or *Candida*), the drug should be discontinued and/or appropriate therapy instituted.

Drug Interactions: Probenecid decreases the renal tubular secretion of amoxicillin. Concurrent use with *Augmentin* may result in increased and prolonged blood levels of amoxicillin.

The concurrent administration of allopurinol and ampicillin increases substantially the incidence of rashes in patients receiving both drugs as compared to patients receiving ampicillin alone. It is not known whether this potentiation of ampicillin rashes is due to allopurinol or the hyperuricemia present in these patients. There are no data with *Augmentin* and allopurinol administered concurrently.

Augmentin should not be co-administered with Antabuse® (disulfiram).

Carcinogenesis, Mutagenesis, Impairment of Fertility: Long-term studies in animals have not been performed to evaluate carcinogenic or mutagenic potential. **Pregnancy (Category B):** Reproduction studies have been performed in mice and rats at doses up to 10 times the human dose and have revealed no evidence of impaired fertility or harm to the fetus due to *Augmentin*. There are, however, no adequate and well-controlled studies in pregnant women. Because animal reproduction studies are not always predictive of human response, this drug should be used during pregnancy only if clearly needed.

Labor and Delivery: Oral ampicillin class antibiotics are generally poorly absorbed during labor. Studies in guinea pigs have shown that intravenous administration of ampicillin decreased the uterine tone, frequency of contractions, height of contractions and duration of contractions. However, it is not known whether the use of *Augmentin* in humans during labor or delivery has immediate or delayed adverse effects on the fetus, prolongs the duration of labor or increases the likelihood that forces delivery or other obstetrical intervention or resuscitation of the newborn will be necessary.

Nursing Mothers: Ampicillin class antibiotics are excreted in the milk; therefore, caution should be exercised when *Augmentin* is administered to a nursing woman.

Adverse Reactions: *Augmentin* is generally well tolerated. The majority of side effects observed in clinical trials were of a mild and transient nature and less than 3% of patients discontinued therapy because of drug-related side effects. The most frequently reported adverse effects were diarrhea/loose stools (9%), nausea (3%), skin rashes and urticaria (3%), vomiting (1%) and vaginitis (1%).

The overall incidence of side effects, and in particular diarrhea, increased with the higher recommended dose. Other less frequently reported reactions include abdominal discomfort, flatulence and headache.

The following adverse reactions have been reported for ampicillin class antibiotics:

Gastrointestinal: Diarrhea, nausea, vomiting, indigestion, gastritis, stomatitis, glossitis, black "hairy" tongue, enterocolitis and pseudomembranous colitis.

Hypersensitivity reactions: Skin rashes, urticaria, angioedema, serum sickness-like reactions, urticaria or skin rash accompanied by arthritis/arthralgia, myalgia, and frequently fever, erythema multiforme (rarely Stevens-Johnson Syndrome), and an occasional case of exfoliative dermatitis have been reported. These reactions may be controlled with antihistamines and, if necessary, systemic corticosteroids. Whenever such reactions occur, the drug should be discontinued, unless the opinion of the physician dictates otherwise. Serious and occasional fatal hypersensitivity (anaphylactic) reactions can occur with oral penicillin (See Warnings).

Liver: A moderate rise in SGOT, SGPT, AST, and/or ALT has been noted in patients treated with ampicillin class antibiotics including *Augmentin*. The significance of these findings is unknown. As with some other penicillins and some cephalosporins, hepatic dysfunction has been reported rarely, with the predominant effects being cholestatic, hepatocellular, or mixed cholestatic-hepatocellular. Signs/symptoms may appear during or after therapy and they resolve completely over time.

Hemic and Lymphatic Systems: Anemia, thrombocytopenia, thrombocytopenic purpura, eosinophilia, leukopenia and agranulocytosis have been reported during therapy with penicillins. These reactions are usually reversible on discontinuation of therapy and are believed to be hypersensitivity phenomena. A slight thrombocytosis was noted in less than 1% of the patients treated with *Augmentin*.

Central Nervous System: Reversible hyperactivity, agitation, anxiety, insomnia, confusion, behavioral changes, and/or dizziness have been reported rarely.

Dosage: Adults: The usual adult dose is one *Augmentin* '250' tablet every eight hours. For more severe infections and infections of the respiratory tract, the dose should be one *Augmentin* '500' tablet every eight hours.

Since both the *Augmentin* '250' and '500' tablets contain the same amount of clavulanic acid (125 mg, as the potassium salt), two *Augmentin* '250' tablets are not equivalent to one *Augmentin* '500' tablet. Therefore, two *Augmentin* '250' tablets should not be substituted for one *Augmentin* '500' tablet for treatment of more severe infections.

Children: The usual dose is 20 mg/kg/day, based on amoxicillin component, in divided doses every eight hours. For otitis media, sinusitis and other more severe infections, the dose should be 40 mg/kg/day, based on the amoxicillin component, in divided doses every eight hours. Also available as *Augmentin* '125' and '250' chewable tablets.

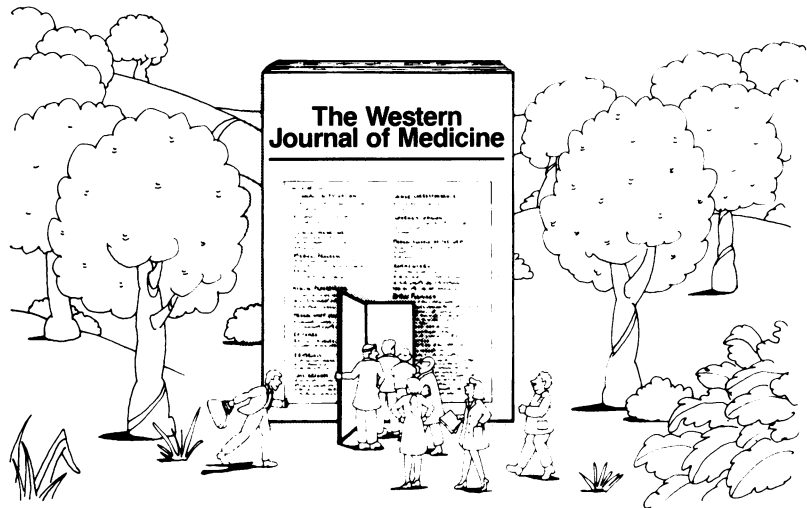
Children weighing 40 kg and more should be dosed according to the adult recommendations.

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Inside Information



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Continuing Medical Education

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CALIFORNIA, HAWAII, AND NEVADA

This listing of continuing education programs in California, Hawaii, and Nevada is supplied by the Committee on Continuing Medical Education of the California Medical Association. All courses and meetings listed have been approved for Category I credit toward the CMA Certificate in Continuing Medical Education. To have accredited courses listed here, please send information at least two months in advance to Department of Continuing Medical Education, California Medical Association, PO Box 7690, San Francisco 94120-7690; or phone (415) 541-0900. For a list of organizations approved for Category I credit toward the CMA Certificate in Continuing Medical Education or for more information on accreditation or certification, please write to the above address.

ANESTHESIOLOGY

September 7-8—**Case Conference in Anesthesia.** California Society of Anesthesiologists at Horizon Hotel, Lake Tahoe, Nevada. Sat-Sun. 9 hrs. Contact: California Society of Anesthesiologists, 1065 E Hillsdale Blvd, Ste 410, Foster City. (800) 345-3691.

November 3-9—**Hawaiian Seminar on Clinical Anesthesia.** California Society of Anesthesiologists at Hyatt Regency Hotel, Poipu Beach, Kauai, Hawaii. 1 week. 20 hrs. \$415. Contact: CSA, 1065 E Hillsdale Blvd, Ste 410, Foster City 94404. (800) 345-3691.

November 8-10—**Anesthesiology Update: 1991.** UCD at Monterey Plaza Hotel, Monterey. Fri-Sun. 14 hrs. \$370. Contact: UCD.

KEY TO ABBREVIATIONS

- CMA: California Medical Association
Contact: Continuing Medical Education, California Medical Association, PO Box 7690, San Francisco 94120-7690. (415) 541-0900.
- DREW: Charles R. Drew Postgraduate Medical School
Contact: Herbert M. Thomas, MD, MPH, Director of CME, Office of Continuing Education, Charles R. Drew Postgraduate Medical School, 1621 East 120th St, Los Angeles 90059. (213) 603-3183.
- LLU: Loma Linda University
Contact: James J. Couperus, MD, Associate Dean for Educational Affairs, Loma Linda University School of Medicine, Loma Linda 92350.
- PMC: Pacific Medical Center
Contact: Continuing Education, Pacific Medical Center, PO Box 7999, San Francisco 94120. (415) 563-4321, ext 2761.
- STAN: Stanford University
Contact: Edward Rubenstein, MD, Associate Dean for Postgraduate Education, Medical School Office Building, Suite X-365, Stanford 94305-6114. (415) 723-5594.
- UCD: University of California, Davis
Contact: Ruth Feryok, Director, Office of Continuing Medical Education, University of California, Davis, School of Medicine, 2701 Stockton Blvd, Sacramento 95817. (916) 734-5390.
- UCI: University of California, Irvine
Contact: Melvin I. Marks, MD, Director, Memorial/UCI Center for Health Education, Long Beach Memorial Medical Center, 2801 Atlantic Ave, PO Box 1428, Long Beach, California 90801-1428. (213) 595-3811.
- UCLA: University of California, Los Angeles Extension
Contact: Martin D. Shickman, MD, Director, Continuing Education in Medicine and the Health Sciences, PO Box 24902, UCLA, Los Angeles 90024. (213) 825-7186.
- UCSD: University of California, San Diego
Contact: Office of Continuing Medical Education, University of California, San Diego, School of Medicine (M-017), La Jolla 92093. (619) 534-3940.
- UCSF: University of California, San Francisco
Contact: Janet Johnson, Administrative Director, Extended Programs in Medical Education, School of Medicine, University of California, San Francisco 94143. (415) 476-4251.
- USC: University of Southern California
Contact: Phil R. Manning, MD, Associate Dean, Postgraduate Division, University of Southern California School of Medicine, 1975 Zonal Ave, KAM314, Los Angeles 90033. (213) 224-7051.

CARDIOLOGY

June 21-22—**Coronary Heart Disease Update.** Medical Education Resources at Disneyland Hotel, Anaheim. Fri-Sat. Medical Education Resources, 1500 W Canal Ct, Ste 500, Littleton, CO 80120. (800) 421-3756.

August 1-3—**Critical Care Cardiology.** UCSF at Sheraton Palace Hotel, San Francisco. Thurs-Sat. 15 hrs. Contact: UCSF.

August 2-4—**Arrhythmias: Interpretation, Diagnosis and Management.** Medical Education Resources at Sheraton Hotel, Monterey. Fri-Sun. Contact: Medical Education Resources, 1500 W Canal Ct, Ste 500, Littleton, CO 80120. (800) 421-3756.

August 16-18—**Cardiac Diagnostic Methods and Risk Management.** Medical Education Resources at Disneyland Hotel, Anaheim. Fri-Sun. Contact: Medical Education Resources, 1500 W Canal Ct, Ste 500, Littleton, CO 80120. (800) 421-3756.

October 10-12—**Cardiology Update: 1991.** American College of Cardiology at Quail Lodge, Carmel. Thurs-Sat. 12.5 hrs. \$440. Contact: ACC, Extramural Programs, Dept 5080, Washington, DC 20061-5080. (800) 253-4636.

October 17-19—**Tenth Annual Recent Advances in Pulmonary and Critical Care Medicine.** UCSF at Sheraton Palace Hotel, San Francisco. Thurs-Sat. 15 hrs. \$395. Contact: UCSF.

October 18-19—**Coronary Heart Disease Update.** Medical Education Resources at Parc Fifty Hotel, San Francisco. Fri-Sat. Contact: Karen DeBont, MER, 1500 W Canal Ct, Ste 500, Littleton, CO 80120-4528. (800) 421-3756.

October 18-19—**Cardiology for the Clinician.** Memorial/UCI Center for Health Education. Fri-Sat. Contact: UCI.

November 8-9—**Coronary Interventions: 1991.** Scripps Clinic and Research Foundation at La Jolla Marriott Hotel. Fri-Sat. 14 hrs. \$550. Contact: Susan Buntjer, 400S, 10666 N Torrey Pines Rd, La Jolla 92037. (619) 554-8556.

DERMATOLOGY

July 11-14—**Advanced Seminars in Dermatology.** UCSF at Quail Valley Lodge, Carmel. Thurs-Sun. Contact: UCSF.

July 16-20—**Dr. Hugh Greenway's Seventh Annual Conference: Superficial Anatomy and Cutaneous Surgery.** Scripps Clinic and Research Foundation/UCSD at Scripps Clinic, La Jolla. Tues-Sat. 36 hrs. \$1100. Contact: Susan J. Buntjer, 10666 N Torrey Pines Road, La Jolla 92037. (619) 554-8556.

July 19-21—**Contact Dermatitis: The Basics.** Stanford at Hotel Meridien, San Francisco. Fri-Sun. Contact: Pamela Bain, Dept of Dermatology, Room R-122, Stanford 94305. (415) 723-7854.

August 16-20—**Fifth Annual Hot Spots in Dermatology: Masters Under the Mango Trees.** The Hawaii Dermatology Society and the Kauai Foundation at the Kaluakoi Hotel, Kupuhi Beach, Molokai, Hawaii. Fri-Tues. Contact: David Elperin, MD, Box 457, Kalaheo, HI 96741. (808) 245-1505.

November 8-10—**Pediatric Dermatology and Wound Management: Above and Below the Surface.** Children's Hospital Oakland at Monterey Conference Center, Monterey. Fri-Sun. 12 hrs. \$300. Contact: Children's Hospital, 747-52nd St, Oakland 94609. (415) 428-3021.

EMERGENCY MEDICINE

June 24-28—**Postgraduate Institute for Primary Care & Emergency Physicians Emergency Medicine Symposium III: Pediatrics, OB/GYN, Dermatology, Legal Aspects, Etc.** UCSD at San Diego Hilton. Mon-Fri. 32 hrs. \$260-\$485. Contact: UCSD.

August 1-3—**Debates and Updates in Pediatric Emergency Medicine.** UCSF at San Francisco Hilton Hotel, San Francisco. Thurs-Sat. 16 hrs. Contact: UCSF.

August 7-11—**Wilderness Medicine: '91.** American College of Emergency Physicians at Squaw Valley, Lake Tahoe. Wed-Sun. 22 hrs. Contact: Program Director, Box 321, Yreka 96097. (800) 888-5632.

August 19-23—**Symposium II: Trauma and Surgery.** UCSD at La Jolla Marriott, La Jolla. Mon-Fri. 32 hrs. \$485. Contact: UCSD.

August 23-26—**Advances in Emergency Medicine.** Kaiser Permanente at Grand Hyatt Wailea Resort and Spa, Maui. Fri-Mon. Contact: Pat Salber, MD, Kaiser Permanente Hospital, 2200 O'Farrell, San Francisco 94115-3395.

October 28-November 1—**Twentieth Annual Topics in Emergency Medicine.** UCSF at Sheraton Palace Hotel, San Francisco. Mon-Fri. 32 hrs. \$510. Contact: UCSF.

(Continued on Page 682)

CONTINUING MEDICAL EDUCATION

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FAMILY PRACTICE/PRIMARY CARE

- July 8-11—**Family Practice Board Review Course.** UCSF at Cathedral Hill Hotel, San Francisco. Mon-Thurs. 25 hrs. \$400. Contact: UCSF.
- August 23-25—**Cardiology for the Family Physician and Internist.** Continuing Medical Education Associates at Hotel del Coronado, San Diego. Fri-Sun. Contact: Jacqueline Shiller, Box 84296, San Diego 92138. (619) 223-2997.
- October 2-4—**Sixth Annual Primary Care Medicine: Principles and Practice.** UCSF at Sheraton Palace Hotel, San Francisco. Wed-Fri. 19 hrs. \$465. Contact: UCSF.
- October 18-20—**Office Orthopedics for the Primary Care Physician.** Sharp Memorial Hospital at San Diego Princess at Vacation Village. Fri-Sun. 20 hrs. Contact: Jacqueline Shiller, PO Box 84296, San Diego 92138. (619) 223-2997.

INTERNAL MEDICINE

- June 15—**Lyme Disease Symposium.** Kaiser Permanente Northern California at El Rancho Tropicana Convention Center, Santa Rosa. Sat. 5 hrs. Contact: Joyce Appelbaum, 1950 Franklin, Oakland 94612. (415) 987-4726.
- August 1-3—**4th Annual New Advances in Common Neurologic Disorders.** UCSD at Catamaran Resort Hotel, San Diego. Thurs-Sat. \$300. Contact: Shirley Kolkey, 5665 Oberlin Dr, Ste 110, San Diego 92121. (619) 453-6222.
- August 18-23—**New Advances in Internal Medicine.** UCD at Hyatt Regency, Monterey. Sun-Fri. 25 hrs. \$460. Contact: UCD.
- August 26-28—**Dermatology for the Non-Dermatologist.** Continuing Medical Education Associates at Hotel del Coronado, San Diego. Mon-Wed. Contact: Jacqueline Shiller, Box 84296, San Diego 92138. (619) 223-2997.
- August 26-30—**Internal Medicine Board Review.** Stanford University Medical Center. Mon-Fri. Contact: STAN.
- September 20-22—**Gastroenterology: Recent Developments in Theory and Practice.** UCSF at Sheraton Palace Hotel, San Francisco. Fri-Sun. 18 hrs. \$420. Contact: UCSF.
- September 28—**Pain: Diagnosis, Treatment and Management.** Scripps Clinic and Research Foundation, La Jolla. Sat. 19 hrs. \$75. Contact: Laurel Steigerwald, 10666 N Torrey Pines Road, La Jolla 92037. (619) 554-8556.
- October 14-20—**Seventeenth Annual Lymphoma Course.** Scripps Clinic and Research Foundation, La Jolla. Mon-Fri. 25 hrs. \$550. Contact: Laurel Steigerwald, 10666 N Torrey Pines Road, La Jolla 92037. (619) 554-8556.
- November 7-9—**San Francisco Otology Update: 1991.** UCSF. Thurs-Sat. 22 hrs. Contact: UCSF.
- November 21-23—**3rd Annual Symposium on Diagnosis and Treatment of Bone and Soft Tissue Tumors.** UCD at Hyatt Regency, Sacramento. Thurs-Sat. Contact: UCD.

OB/GYN

- July 28-31—**4th Annual In Vitro Fertilization and Embryo Transfer: A Comprehensive Update—1991.** Sun-Wed. 15 hrs. \$675. Contact: UCLA Extension.
- July 31—**9th Controversies in OB/GYN.** Memorial/UCI Center for Health Education in Hawaii. Wed-Sat. Contact: UCI.
- August 9-11—**4th Annual Perinatal Review.** Memorial/UCI Center for Health Education at Four Seasons Hotel, Newport Beach. Fri-Sun. Contact: Memorial/UCI Center for Health Education, Box 1428, Long Beach 90801. (213) 595-3811.
- August 16-18—**Office Gynecology for the Primary Care Physician.** San Diego State University at the Hyatt Islandia, San Diego. Fri-Sun. Contact: Jacqueline Shiller, Box 84296, San Diego 92138. (619) 223-2997.
- September 26-29—**Advanced Fetal Heart Rate Monitoring.** Memorial/UCI Center for Health Education. Thurs-Sun. Contact: UCI.
- October 4-6—**3rd Annual Advanced Obstetrical & Transvaginal Ultrasound.** Memorial/UCI Center for Health Education at Doubletree Hotel/UCI Medical Center, Orange. Fri-Sun. Contact: UCI.

OCCUPATIONAL/ENVIRONMENTAL

- June 15 & 22—**Workers' Compensation Seminar.** American College of Occupational Medicine in San Francisco. Sat. 6 hrs. \$150. Contact: California Workers' Compensation Institute. (415) 981-2107.

- October 10-13—**35th Annual Western Occupational Health Conference: Changing Themes in Occupational Medicine.** Western Occupational Medical Association at Doubletree Hotel, Monterey. Thurs-Sun. Contact: Kate Larsen, (415) 764-4803.
- October 21-25—**Sports Medicine Update.** Memorial/UCI Center for Health Education in Hawaii. Mon-Fri. Contact: UCI.
- October 21-November 1—**Occupational and Environmental Medicine: Session II.** UCSF at Cathedral Hill Hotel, San Francisco. Mon-Fri. 80 hrs. \$1200. Contact: UCSF.
- October 28-November 1—**Advances in Occupational and Environmental Medicine.** UCSF at Cathedral Hill Hotel, San Francisco. Mon-Fri. 40 hrs. \$600. Contact: UCSF.

OPHTHALMOLOGY

- September 13-15—**Uveitis and Retina Frontiers—Diagnostic, Medical and Surgical Approaches.** UCSF at Carmel Valley Ranch Resort. Fri-Sun. Contact: UCSF.
- October 13-17—**Joint Meeting of the American Academy of Ophthalmology and Pan-American Association of Ophthalmology** at Anaheim Convention Center. Sun-Thurs. Contact: AAO, PO Box 7424, San Francisco 94120. (415) 561-8500.

PATHOLOGY

- July 15-19—**Advances in Gastroenterology.** UCSD at Hotel del Coronado, Coronado. Mon-Fri. 19-22 hrs. \$425. Contact: Dawne Ryals, Box 1925, Roswell, GA 30077-1925. (404) 641-9773.
- August 9-10—**Southwestern Regional Cryostat and Microscopically Controlled Surgical Workshop.** UCSD. Fri-Sat. 15 hrs. Contact: Daniel E. Gormley, MD, 412 W Carroll Dr, Ste 207, Glendora 91740. (818) 963-7684.
- October 12—**Thirty-first Annual Scientific Symposium on Kidney Disease.** National Kidney Foundation of Southern California at La Jolla Marriott, La Jolla. Sat. Contact: Sylvie Tarro, (213) 641-8152.

PEDIATRICS

- June 21-23—**Current Concepts in Child Neurology.** Children's Hospital San Diego at Hyatt Islandia Hotel, San Diego. Fri-Sun. 15 hrs. Contact: Children's Hospital, (619) 576-4072.
- August 19-21—**Pediatrics Update: 1991.** San Diego State University at the Hyatt Islandia, San Diego. Mon-Wed. Contact: Jacqueline Shiller, Box 84296, San Diego 92138. (619) 223-2997.
- September 13-14—**Ambulatory Pediatrics.** UCD at Radisson Hotel, Sacramento. Fri-Sat. 12 hrs. Contact: UCD.
- October 16-19—**16th Annual Pediatrics for the Practitioner.** Memorial/UCI Center for Health Education at Mauna Kea Beach Hotel, Kamuela, Hawaii. Wed-Sat. Contact: UCI.
- November 20-23—**Pediatric Infectious Disease Seminar.** University of Toronto at Four Seasons Hotel, Newport Beach. Wed-Sat. Contact: University of Toronto, Medical Science Bldg, Toronto, Ontario M5S 1A8. (416) 978-2718.

PSYCHIATRY

- July 27-28—**Treatment of Sexual Problems of Adults Molested as Children.** UCLA at Beverly Hilton Hotel. Sat-Sun. 13 hrs. \$275. Contact: UCLA.
- November 8-10—**37th Annual Group Therapy Symposium.** UCSF at Handlery Union Square Hotel, San Francisco. Fri-Sun. Contact: UCSF.

RADIOLOGY

- July 18-21—**Radiology for Non-Radiologists.** UCSD at Hotel del Coronado, Coronado. Thurs-Sun. 19.5 hrs. \$400. Contact: Dawne Ryals, Box 1925, Roswell, GA 30077. (404) 641-9773.
- July 22-24—**Issues in Musculoskeletal Imaging.** Hoag Memorial Hospital at Ritz-Carlton Hotel, Laguna Niguel. Mon-Wed. 14 hrs. \$375. Contact: Dawne Ryals, Box 1925, Roswell, GA 30077. (404) 641-9773.
- July 22-27—**5th Annual MRI Symposium Including: Issues in Musculoskeletal Imaging.** Hoag Memorial Hospital at Ritz-Carlton Hotel, Laguna Niguel. Mon-Sat. 31 hrs. \$695. Contact: Dawne Ryals, Box 1925, Roswell, GA 30077-1925. (404) 641-9773.

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CONTINUING MEDICAL EDUCATION

(Continued from Page 682)

July 25-28—**5th Annual Symposium on Magnetic Resonance Imaging.** Hoag Memorial Hospital at Ritz-Carlton Hotel, Laguna Niguel. Thurs-Sun. 18 hrs. \$375. Contact: Dawne Ryals, Box 1925, Roswell, GA 30077. (404) 641-9773.

July 29-August 2—**MRI: Musculoskeletal/Body.** UCSF at Hyatt Regency, Kauai, Hawaii. Mon-Fri. 22 hrs. \$595. Contact: UCSF.

August 4-8—**Napa Valley Imaging Update-MRI 1991.** UCD at Silverado Country Club, Napa. Sun-Thurs. 17 hrs. \$465. Contact: UCD.

August 12-16—**Radiology for Clinicians.** UCSD at Hotel del Coronado, San Diego. Mon-Fri. Contact: Dawne Ryals, Box 1925, Roswell, GA 30077-1925. (404) 641-9773.

September 11-13—**The 7th Annual Sonography Update Conference and Exhibit.** UCSD at Hotel del Coronado, San Diego. Wed-Fri. 18 hrs. Contact: Dawne Ryals, Box 1925, Roswell, GA 30077-1925. (404) 641-9773.

September 14-15—**Sonography Registry Review.** UCSD at Hotel del Coronado, San Diego. Sat-Sun. Contact: Dawne Ryals, Box 1925, Roswell, GA 30077-1925. (404) 641-9773.

September 23-26—**Applied Ultrasound: Accent on Doppler.** University of Alabama at Birmingham at Ritz-Carlton Resort Hotel, Laguna Niguel. Mon-Thurs. Contact: Dawne Ryals, Box 1925, Roswell, GA 30077-1925. (404) 641-9773.

September 25-28—**Diagnosis of Musculoskeletal Disorders: State of the Art.** International Skeletal Society at Hotel del Coronado, San Diego. Wed-Sat. Contact: Dawne Ryals, Box 1925, Roswell, GA 30077-1925. (404) 641-9773.

October 2-6—**Current Concepts of Magnetic Resonance Imaging/Physics.** Stanford University Medical Center at Silverado Hotel, Napa Valley. Wed-Mon. 19 hrs. \$500. Contact: Dawne Ryals, PO Box 1925, Roswell, GA 30077-1925. (404) 641-9773.

October 12-13—**Ultrasound: 1991.** UCD at Red Lion Inn, Sacramento. Sat-Sun. 11 hrs. \$195. Contact: UCD.

October 17-20—**1991 Annual Scientific Meeting.** Western Neuroradiological Society at Ritz Carlton Resort, Laguna Niguel. Thurs-Sun. Contact: Dawne Ryals, Ryals & Associates, PO Box 1925, Roswell, GA 30077-1925. (404) 641-9773.

October 20—**Magnetic Resonance Angiography.** UCSF at Hyatt Regency Hotel, San Francisco. Sun. 7 hrs. Contact: UCSF.

October 21-25—**Clinical Magnetic Resonance Imaging.** UCSF at Hyatt Regency Hotel, San Francisco. Mon-Fri. 32 hrs. \$595. Contact: UCSF.

October 26-27—**Advanced Imaging of the Musculoskeletal System.** UCSD at Hotel del Coronado, San Diego. Sat-Sun. 9 hrs. \$225. Contact: Dawne Ryals, Ryals & Associates, PO Box 1925, Roswell, GA 30077-1925. (404) 641-9773.

October 26-27—**Vascular Ultrasound: State of the Art.** UCSF at Ritz-Carlton Hotel, San Francisco. Sat-Sun. 12 hrs. \$285. Contact: UCSF.

October 28-November 1—**Sixteenth Annual Postgraduate Radiology Course.** UCSD at Hotel del Coronado, San Diego. Mon-Fri. 28.25 hrs. \$550. Contact: Dawne Ryals, Ryals & Associates, PO Box 1925, Roswell, GA 30077-1925. (404) 641-9773.

November 1-3—**11th Annual Interventional Radiology Course.** UCSD at Hotel del Coronado, San Diego. Fri-Sun. 15 hrs. \$375. Contact: Dawne Ryals, PO Box 1925, Roswell, GA 30077-1925. (404) 641-9773.

November 4-8—**Diagnostic Radiology Seminars.** UCSF at Hyatt Regency, Maui, Hawaii. Mon-Fri. 24 hrs. \$595. Contact: UCSF.

November 15-17—**Advanced Seminars in Diagnostic Imaging.** UCSD at Ritz-Carlton Hotel, Laguna Niguel. Fri-Sun. \$400. Contact: Dawne Ryals, PO Box 1925, Roswell, GA 30077-1925. (404) 641-9773.

REHABILITATIVE/THERAPEUTIC

November 14-16—**3rd Triennial Symposium on New Directions in Antiviral Chemotherapy.** UCSF at Sheraton Palace Hotel, San Francisco. Thurs-Sat. 19 hrs. \$200. Contact: UCSF.

SURGERY

October 10-13—**Wound Management Workshop: October.** UCSD at San Diego Hilton Beach and Tennis Resort. Thurs-Sun. 18 hrs. \$435. Contact: Edith Bookstein, PO Box 2586, La Jolla 92038. (619) 454-3212.

November 2-9—**13th International Seminar on Operative Arthroscopy.** UCLA at Ritz-Carlton, Mauna Lani Resort, Hawaii. 1 week. 37 hrs. \$995. Contact: UCLA.

GENERAL/MULTIDISCIPLINARY

June 28-30—**4th Annual Conference for the Medical Office Laboratory.** San Diego State University at Red Lion, San Diego. Fri-Sun. 18 hrs. \$400. Contact: Anne Wright, (619) 594-6255.

July 5—**Issues in International Health.** UCSD and Shiraz University School of Medicine Alumni at San Diego Hilton Beach & Tennis Resort. Fri. 3 hrs. \$75. Contact: H. A. Ronaghy, MD, 3023 Bunker Hill St, No. 106, San Diego 92109. (619) 275-2700.

COLORADO

This listing of continuing medical education programs in Colorado is compiled by the Denver Medical Society. To list CME programs here, please send information at least two months in advance to: Mr Robert L. Kennedy, Denver Medical Society, 1850 Williams Street, Denver, CO 80218; or telephone (303) 377-1850.

Brochures, course information, and registration forms are available from the contact person or organization.

June 25-27—**Community Health Traineeship.** Children's Hospital, Denver. Tues-Thurs. Contact: Christine Sievers, (303) 861-6413.

June 28-29—**Billings Perinatal Conference.** Children's Hospital of Denver at Billings, Montana. Fri-Sat. Contact: Christine Sievers, (303) 861-6413.

July 7-12—**Internal Medicine Program.** University of Colorado School of Medicine at YMCA of The Rockies, Estes Park. Sun-Fri. Contact: Joann Bauer, (303) 270-5195 or (800) 882-9513.

July 11—**Cultural Considerations in Perinatal Nursing.** University of Colorado Health Sciences Center, Denver. Thurs. Contact: Trish Beachy or Nancy Briggs, (303) 270-7117.

July 22-26—**Renal Disease for the Internist and Nephrologist.** University of Colorado School of Medicine at The Given Institute, Aspen. Mon-Fri. Contact: Joann Bauer, (303) 270-5195 or (800) 882-9513.

July 25-27—**Preparing for Reform—Proposals, Assumptions and Implications for Financing American Health Care—11th Annual Montgomery Dorsey Symposium.** Presbyterian/St. Luke's Community Foundation at Vail. Thurs-Sat. Contact: Mary Pettigrew, (303) 322-3515.

July 29-August 2—**Dynamic Psychotherapy.** University of Colorado School of Medicine at The Given Institute, Aspen. Mon-Fri. Contact: Joann Bauer, (303) 270-5195 or (800) 882-9513.

August 2-4—**Recent Advances in Cancer Therapy.** University of Colorado School of Medicine at The Given Institute, Aspen. Fri-Sun. Contact: Joann Bauer, (303) 270-5195 or (800) 882-9513.

August 4-8—**34th Annual Pediatric Program.** University of Colorado School of Medicine, Children's Hospital, and the Colorado Chapter of the American Academy of Pediatrics at the Given Institute, Aspen. Sun-Thurs. Contact: Bobbi Rubingh, (800) 882-9153 or (303) 270-5196.

August 5-9—**Respiratory Therapy Traineeship Program.** Children's Hospital, Denver. Mon-Fri. Contact: Jeff Griebel, (303) 861-6188.

August 8—**Basic and Advanced Fetal Heart Rate Monitoring.** University of Colorado Health Sciences Center, Denver. Thurs. Contact: Trish Beachy or Nancy Briggs, (303) 270-7117.

August 8-11—**Pulmonary Physiology.** University of Colorado School of Medicine at The Given Institute, Aspen. Thurs-Sun. Contact: Joann Bauer, (303) 270-5195 or (800) 882-9513.

August 15-17—**Musculoskeletal Society Annual Meeting.** In association with University of Colorado School of Medicine at Snowmass. Contact: Joann Bauer, (303) 270-5195 or (800) 882-9513.

August 17-24—**Eleventh Annual Comprehensive Fine Needle Biopsy Course.** University of California, San Francisco, at Aspen's Hotel Jerome. Sat-Sat. Contact: University of California, San Francisco, School of Medicine, Extended Programs in Medical Education, (415) 476-4251.

August 19-23—**Internal Medicine Board Review.** University of Colorado School of Medicine, Denver. Mon-Fri. Contact: Joann Bauer, (303) 270-5195 or (800) 882-9153.

August 25-31—**Primary Care Orthopedics.** University of Colorado School of Medicine at The Given Institute, Aspen. Sun-Sat. Contact: Joann Bauer, (303) 270-5195 or (800) 882-9153.

September 5, 12, 19, 26—**Comprehensive Perinatal Nursing Course.** University of Colorado Health Sciences Center. Thurs. Contact: Trish Beachy or Nancy Briggs, (303) 270-7117.

September 27-28—**Montrose Fall Clinics for Physicians.** Montrose Memorial Hospital, Montrose. Fri-Sat. Contact: Kathy Holman, (303) 240-7397.

CONTACT INFORMATION

U of Colo—Contact: University of Colorado School of Medicine, Office of Continuing Medical Education, 4200 E 9th Ave, Denver, CO. (303) 270-5195.

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CONTINUING MEDICAL EDUCATION

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October 7-11—**Family Practice Review**, University of Colorado School of Medicine, Denver. Mon-Fri. Contact: Joann Bauer, (303) 270-5195 or (800) 882-9153.

October 10-13—**Rural Perinatal Traineeship Program**, Children's Hospital, Denver. Thurs-Sun. Contact: Christine Sievers-Spencer, (303) 861-6413.

October 25-26—**14th Annual Perinatal Conference**, Children's Hospital of Denver at Laramie, Wyoming. Fri-Sat. Contact: Christine Sievers-Spencer, (303) 861-6413.

November 7-10—**Rural Perinatal Traineeship Program**, Children's Hospital, Denver. Thurs-Sun. Contact: Christine Sievers-Spencer, (303) 861-6413.

November 14—**Pre-term Infant Feeding Conference**, University of Colorado Health Sciences Center, Denver. Thurs. Contact: Trish Beachy or Nancy Briggs, (303) 270-7117.

November 22-23—**Colorado Springs Perinatal Conference**, Children's Hospital of Denver at Colorado Springs. Fri-Sat. Contact: Christine Sievers-Spencer, (303) 861-6413.

December 2-6—**Respiratory Therapy Traineeship Program**, Children's Hospital, Denver. Mon-Fri. Contact: Jeff Griebel, (303) 861-6188.

First Wednesday of Each Month—**Various Topics in Neurology**, Sponsored by the Colorado Society of Clinical Neurologists. Contact: Colorado Society of Neurologists, (303) 449-3566.

IDAHO

July 25-27—**Idaho Medical Association—Annual Meeting**, Sun Valley. Thurs-Sat. Contact: IMA, 305 W Jefferson, PO Box 2668, Boise 83701. (208) 344-7888.

NEW MEXICO

Information, requests for accreditation, and items to be listed should be sent to the chair of the CME Committee, New Mexico Medical Society, 7770 Jefferson, Suite 400, Albuquerque, NM 87109, at least two months in advance. For information on CME accreditation or on the CME requirements of the New Mexico Board of Medical Examiners, please write to the above address or call (505) 828-0237.

NOTE: Course information in the following listing is subject to change on occasion. Check with the sponsoring institution for current details.

August 5-9—**Body Imaging: Ultrasound, CT, MR, Nuclear Medicine**, El Dorado Hotel, Santa Fe. Contact: Dawne Ryals, PO Box 1925, Roswell, GA 30077. (404) 641-9773.

UTAH

This listing of continuing medical education courses in Utah is compiled and edited by the CME office of the Utah Medical Association. All courses listed have been certified by CME accredited institutions as meeting the criteria for Category 1 of the Physician's Recognition Award of the American Medical Association. Accredited institutions wishing to list AMA Category 1 CME courses here should send information at least two months in advance to the Office of Continuing Medical Education, 540 East Fifth South, Salt Lake City, UT 84102; or phone (801) 355-5290. For information on CME accreditation, please write the CME office at the above address.

NOTE: Course information in the following listing is subject to change on occasion. Check with the sponsoring institution.

MEDICAL GRAND ROUNDS

Each Wed—8:00-9:00 a.m. Alternating between University of Utah Medical Center and VA Medical Center, Salt Lake City. Contact: William D. Odell, MD, PhD, Professor and Chairman, Dept of Internal Medicine, Univ of Utah, (801) 581-7606.

* * *

June 17-21—**University of Utah School on Alcoholism and Other Drug Dependencies** (Sponsor: UUSM). Mon-Fri. University of Utah, Salt Lake City. Contact: (801) 581-8664.

July 8-13—**Update in Internal Medicine: Focus on Ambulatory Care Medicine** (Sponsor: UUSM). Sat-Thurs. Snowbird. Contact: (801) 581-8664.

July 12-14—**Laser Surgery—Laparoscopic Cholecystectomy** (Sponsor: UUSM). Fri-Sun. The Laser Institute, University of Utah, Salt Lake City. Contact: (801) 581-7001.

August 1-3—**Utah Ophthalmological Society Annual Shakespearean Festival Meeting** (Sponsor: UOS). Thurs-Sat. Southern Utah State College, Cedar City. Contact: UOS.

September 27-29—**Laser Surgery—Laparoscopic Cholecystectomy** (Sponsor: UUSM). Fri-Sun. The Laser Institute, University of Utah, Salt Lake City. Contact: (801) 581-7001.

November 15-16—**Laser Surgery—Laparoscopic Cholecystectomy** (Sponsor: UUSM). Fri-Sat. The Laser Institute, University of Utah, Salt Lake City. Contact: (801) 581-7001.

SPONSORS OF COURSES—ABBREVIATIONS

AHA:	American Heart Association, Utah Affiliate, 645 E 400 South, Salt Lake City 84102. (801) 322-5601.
CH:	Castleview Hospital (formerly Carbon Hospital), RFD 2, Box 46, Price 84501. (801) 637-4800.
HCH:	Holy Cross Hospital, 1045 E First South, Salt Lake City 84102. (801) 350-4744.
ITS:	Intermountain Thoracic Society, 1616 S 11th East, Salt Lake City 84105. (801) 484-4456.
LDSH:	LDS Hospital, 8th Ave and "C" St, Salt Lake City 84143. (801) 321-1100.
LRH:	Logan Regional Hospital, 1400 N 5th East, Logan 84321. (801) 752-2050.
MDH:	McKay-Dee Hospital Center, 3939 Harrison Blvd, Ogden 84409. (801) 399-4141.
MVH:	Mountain View Hospital, 1000 E Highway 6, Payson 84651. (801) 465-9201.
144:	144th Evacuation Hospital, PO Box 8000, Salt Lake City 84108. (801) 524-3924.
OSS:	Ogden Surgical Society, PO Box 9311, Ogden 84409.
PVH:	Pioneer Valley Hospital, 3460 S 4155 West, West Valley City 84120. (801) 968-9061.
UOS:	Utah Ophthalmological Society, 540 E 500 South, Salt Lake City 84102. (801) 355-7477.
USH:	Utah State Hospital, PO Box 270, Provo 84603-0270. (801) 373-4400.
UUSM:	University of Utah School of Medicine, Office of Continuing Medical Education, 50 N Medical Dr, Salt Lake City 84132. (801) 581-8664.
VAMC:	Veterans Administration Medical Center, 500 Foothill Dr, Salt Lake City 84148. (801) 582-1565.
VVMC:	Valley View Medical Center, 595 S 75 East, Cedar City 84720. (801) 586-6587.
WRI:	Western Rehabilitation Institute, 8074 S 1300 East, Sandy 84094. (801) 561-3400.

WASHINGTON

The listing of continuing medical education programs in Washington state is compiled by the Washington State Medical Association. To list Category 1 programs here, please send information at least two months in advance to Continuing Medical Education, Washington State Medical Association, 2033 Sixth Avenue, Suite 900, Seattle, WA 98121; or phone (206) 441-WSMA.

Brochures and registration forms are available from the contact person or organization listed at the end of each course or in the list of course sponsors and contact information.

June 15—**Horizons in Urology**, Seattle. Sat. Contact: U/W.

June 18—**Treatment Needs of a High Utilizer: The Borderline Patient**, Spokane. Tues. Contact: U/W.

June 20—**Treatment Needs of a High Utilizer: The Borderline Patient**, Seattle. Thurs. Contact: U/W.

June 21—**Competency in the Confused Patient: Medical, Legal and Ethical Issues**, Seattle. Fri. Contact: VMMC.

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CONTINUING MEDICAL EDUCATION

(Continued from Page 686)

- June 20-24—**Surviving the Elements**. Seattle. Thurs-Mon. Contact: U/W.
- June 24-25—**Advanced Cardiac Life Support**. Tacoma. Mon-Tues. Contact: VMMC. (206) 627-7137.
- July 25-27—**Summer Radiology Meeting**. Coeur d'Alene Resort, Idaho. Thurs-Sat. Contact: Sacred Heart Medical Center, Dept. of Radiology. (509) 455-3352.
- July 26-28—**Seafair XII: Regional Anesthesia**. Seattle. Fri-Sun. Contact: VMMC.
- August 1-3—**STD Update**. Seattle. Thurs-Sat. Contact: U/W.
- August 5-10—**Summer Seminar in Health Care Ethics**. Seattle. Mon-Sat. Contact: U/W.
- August 9-11—**International Conference on Pancreatic Cancer**. Seattle. Fri-Sun. Contact: VMMC.
- August 15-18—**World Gathering on Bereavement**. Kirkland. Thurs-Sun. Contact: Evergreen Hospital. (206) 878-3710.
- August 17-18—**Advanced Cardiac Life Support**. Seattle. Sat-Sun. Contact: VMMC.
- August 23-25—**ACCME Regional Workshop**. Seattle. Fri-Sun. Contact: U/W.
- September 12-13—**Resolving the Ethical Dilemmas in Animal Protocol Review**. Seattle. Thurs-Fri. Contact: U/W.
- September 13—**New Therapies in Hepatobiliary Disease**. Seattle. Fri. Contact: VMMC.
- September 16-20—**Family Practice Review**. Seattle. Mon-Fri. Contact: U/W.
- September 20-21—**Practical Management of Substance Abuse**. Seattle. Thurs-Fri. Contact: U/W.
- September 26—**Cardiology Update**. Everett. Thurs. Contact: Pacific Northwest Medical Education Institute. (206) 258-6322.
- September 27—**Surgery Update**. Seattle. Fri. Contact: U/W.
- October 5—**2nd Annual Practice Update for Rural Physicians**. Seattle. Sat. Contact: VMMC.
- October 10-12—**Burn Update**. Seattle. Thurs-Sat. Contact: U/W.
- October 17-19—**Endoscopic Sinus Surgery**. Seattle. Thurs-Sat. Contact: U/W.
- October 18—**Atypical Pneumonia Syndromes**. Seattle. Fri. Contact: VMMC.
- October 18-20—**Spinal Cord Injury**. Seattle. Fri-Sun. Contact: U/W.
- October 24—**Geriatrics**. Everett. Thurs. Contact: Pacific Northwest Medical Education Institute. (206) 258-6322.
- November 1—**Radiosurgery Update**. Seattle. Fri. Contact: VMMC.
- November 7-8—**Drug Update: Prescription for the '90s**. Seattle. Thurs-Fri. Contact: (206) 258-6322.
- November 8—**25th Annual Cancer Conference**. Seattle. Fri. Contact: VMMC.
- November 14-15—**Drug Therapy**. Seattle. Thurs-Fri. Contact: U/W.
- December 6—**Practical Pediatrics**. Seattle. Fri. Contact: VMMC.
- December 6-7—**Urology**. Seattle. Fri-Sat. Contact: (206) 441-9762.
- December 12-14—**American College of Physicians**. Seattle. Thurs-Sat. Contact: U/W.
- December 12-14—**7th Annual ID Conference**. Everett. Thurs-Sat. Contact: Pacific Northwest Medical Education Institute. (206) 258-6322.

COURSE SPONSORS AND CONTACT INFORMATION

- CME HARBORVIEW—Contact: Gayle Splater, Cytology Continuing Education, Dept. of Pathology, Harborview Medical Center, 325 Ninth Avenue, Seattle, WA 98104. (206) 223-5953.
- PCMS CME—Contact: Mrs Maxine Bailey, Executive Director, College of Medical Education, 705 South Ninth, No. 203, Tacoma, WA 98405. (206) 627-7137.
- U/W (UNIVERSITY OF WASHINGTON)—Contact: U/W School of Medicine, Div. of CME, SC-50, Seattle, WA 98195. (206) 543-1050.
- WSMA—Washington State Medical Association, Continuing Medical Education, 2033 Sixth Ave, Suite 900, Seattle, WA 98121. (206) 441-9762.
- VMMC (VIRGINIA MASON MEDICAL CENTER)—Contact: Linda Orgel, Division of Continuing Medical Education, Virginia Mason Medical Center, PO Box 900, Seattle, WA 98111. (206) 223-6898.

WYOMING

- October 25-26—**14th Annual Perinatal Conference**. Children's Hospital of Denver at Laramie. Fri-Sat. Contact: Christine Sievers-Spencer. (303) 861-6413. ◆

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For
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Contraindications: Tagamet is contraindicated for patients known to have hypersensitivity to the product.

Precautions: Rare instances of cardiac arrhythmias and hypotension have been reported following the rapid administration of Tagamet (brand of cimetidine hydrochloride) injection by intravenous bolus.

Symptomatic response to Tagamet therapy does not preclude the presence of a gastric malignancy. There have been rare reports of transient healing of gastric ulcers despite subsequently documented malignancy.

Reversible confusional states have been observed on occasion, predominantly in severely ill patients.

Tagamet has been reported to reduce the hepatic metabolism of warfarin-type anticoagulants, phenytoin, propranolol, chlordiazepoxide, diazepam, certain tricyclic antidepressants, lidocaine, theophylline and metronidazole. Clinically significant effects have been reported with the warfarin anticoagulants; therefore, close monitoring of prothrombin time is recommended, and adjustment of the anticoagulant dose may be necessary when Tagamet is administered concomitantly. Interaction with phenytoin, lidocaine and theophylline has also been reported to produce adverse clinical effects.

However, a crossover study in healthy subjects receiving either Tagamet 300 mg q.i.d. or 800 mg h.s. concomitantly with a 300 mg b.i.d. dosage of theophylline (Theo-Dur®, Key Pharmaceuticals, Inc.) demonstrated less alteration in steady-state theophylline peak serum levels with the 800 mg h.s. regimen, particularly in subjects aged 54 years and older. Data beyond ten days are not available. (Note: All patients receiving theophylline should be monitored appropriately, regardless of concomitant drug therapy.)

In a 24-month toxicity study in rats, at dose levels approximately 8 to 48 times the recommended human dose, benign Leydig cell tumors were seen. These were common in both the treated and control groups, and the incidence became significantly higher only in the aged rats receiving Tagamet.

A weak antiandrogenic effect has been demonstrated in animals. In human studies, Tagamet has been shown to have no effect on spermatogenesis, sperm count, motility, morphology or in vitro fertilizing capacity.

Pregnancy Category B. Reproduction studies have been performed in rats, rabbits and mice at doses up to 40 times the normal human dose and have revealed no evidence of impaired fertility or harm to the fetus due to Tagamet. There are, however, no adequate and well-controlled studies in pregnant women. Because animal reproductive studies are not always predictive of human response, this drug should be used during pregnancy only if clearly needed.

Lack of experience to date precludes recommending Tagamet for use in children under 16 unless anticipated benefits outweigh potential risks; generally, nursing should not be undertaken by patients taking the drug since cimetidine is secreted in human milk.

Adverse Reactions: Diarrhea, dizziness, somnolence, headache. Reversible confusional states (e.g., mental confusion, agitation, psychosis, depression, anxiety, hallucinations, disorientation), predominantly in severely ill patients, have been reported. Reversible impotence in patients with pathological hypersecretory disorders receiving Tagamet, particularly in high doses for at least 12 months, has been reported. The incidence of impotence in large-scale surveillance studies at regular doses has not exceeded that commonly reported in the general population. Gynecomastia has been reported in patients treated for one month or longer. Decreased white blood cell counts in Tagamet-treated patients (approximately 1 per 100,000 patients), including agranulocytosis (approximately 3 per million patients), have been reported, including a few reports of recurrence on rechallenge. Most of these reports were in patients who had serious concomitant illnesses and received drugs and/or treatment known to produce neutropenia. Thrombocytopenia (approximately 3 per million patients) and, very rarely, cases of aplastic anemia have also been reported. Increased serum transaminase has been reported. Reversible adverse hepatic effects, cholestatic or mixed cholestatic-hepatocellular in nature, have been reported rarely. Because of the predominance of cholestatic features, severe parenchymal injury is considered highly unlikely. A single case of biopsy-proven periportal hepatic fibrosis in a patient receiving Tagamet has been reported. Increased plasma creatinine has been reported. Rare cases of fever, interstitial nephritis, urinary retention, pancreatitis and allergic reactions, including anaphylaxis and hypersensitivity vasculitis, have been reported. Rare cases of bradycardia, tachycardia and A-V heart block have been reported with H₂-receptor antagonists. Reversible arthralgia, myalgia and exacerbation of joint symptoms in patients with pre-existing arthritis have been reported rarely. Rare cases of polymyositis have been reported, but no causal relationship has been established. Mild rash and, very rarely, cases of severe generalized skin reactions (e.g., Stevens-Johnson syndrome, epidermal necrolysis, erythema multiforme, exfoliative dermatitis and generalized exfoliative erythroderma) have been reported with H₂-receptor antagonists. Reversible alopecia has been reported very rarely.

How Supplied: Tablets: 200 mg tablets in bottles of 100; 300 mg tablets in bottles of 100 and Single Unit Packages of 100 (intended for institutional use only); 400 mg tablets in bottles of 60 and Single Unit Packages of 100 (intended for institutional use only); and 800 mg Tiltab® tablets in bottles of 30 and Single Unit Packages of 100 (intended for institutional use only).

Liquid: 300 mg/5 mL, in 8 fl oz (237 mL) amber glass bottles and in single-dose units (300 mg/5 mL); in packages of 10 (intended for institutional use only).

Injection:

Vials: 300 mg/2 mL in single-dose vials, in packages of 10 and 30, and in 8 mL multi-dose vials, in packages of 10 and 25.

Prefilled Syringes: 300 mg/2 mL in single-dose prefilled disposable syringes.

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ADD-Vantage® Vials: 300 mg/2 mL in single-dose ADD-Vantage® Vials, in packages of 25.

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BRS-TG L82

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Alaska State Medical Association—4107 Laurel St, Anchorage 99508. (907) 562-2662. Annual Meeting: 1992, date and location to be announced.

Arizona Medical Association, Inc.—810 W Bethany Home Rd, Phoenix 85013. (602) 246-8901. Annual Meeting: June 6-8, 1991, Loews Ventana Canyon Resort, Tucson.

California Medical Association—PO Box 7690, San Francisco 94120-7690. (415) 541-0900. Annual Meeting: March 13-18, 1992, Disneyland Hotel, Anaheim.

Colorado Medical Society—PO Box 17550, Denver 80217-0550. (303) 779-5455. Annual Meeting: September 20-22, 1991, Snowmass.

Hawaii Medical Association—1360 S Beretania, Honolulu 96814. (808) 536-7702. Annual Meeting: October 11-13, 1991, Westin Kauai.

Idaho Medical Association—305 W Jefferson, PO Box 2668, Boise 83701. (208) 344-7888. Annual Meeting: July 25-27, 1991, Sun Valley.

Montana Medical Association—2012 11th Ave, Suite 12, Helena 59601. (406) 443-4000. Annual Meeting: October 3-4, 1991, Kalispell.

Nevada State Medical Association—3660 Baker Lane, Reno 89502. (702) 825-6788. Annual Meeting: 1992, date and location to be announced.

New Mexico Medical Society—7770 Jefferson, Suite 400, Albuquerque 87109. (505) 828-0237. Annual Meeting: 1992, date and location to be announced.

Oregon Medical Association—5210 SW Corbett Ave, Portland 97201. (503) 226-1555. Annual Meeting (House of Delegates only): 1992, date and location to be announced.

Utah Medical Association—540 E Fifth South, Salt Lake City 84102. (801) 355-7477. Annual Meeting: September 11-13, 1991, University Park Hotel, Salt Lake City.

Washington State Medical Association—900 United Airlines Bldg, 2033 6th Ave, Seattle 98121. (206) 441-WSMA. Annual Meeting: September 19-22, 1991, Red Lion, Bellevue.

Wyoming Medical Society—PO Drawer 4009, Cheyenne 82003-4009. (307) 635-2424. Annual Meeting: June 13-15, 1991, Jackson Lake Lodge, Moran.

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